

Abstract of the Disclosure

A version number is associated with an encrypted key executable to allow real time updating of keys for a system which facilitates users signing on to multiple websites on different domains using an encrypted ticket. Two keys 5 may be used at each site during updating of keys, each having an associated one digit Hex version tag. When a key is to be updated with a new key, the existing or old key is provided an expiration time. A second key is provided from the system in a secure manner with a new version number and made the current key which provides decryption of the encrypted ticket. The system tracks both keys 10 while they are concurrent. After the existing key expires, only the second, or updated key is used to provide login services for users. The system periodically flushes old keys.

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